



## Enclosure 3.0 – Award criteria

### Procurement of InSAR surface motion products

The tenderer confirms that all information provided is true and complete. The requested enclosures and supporting documents are enclosed in full. Information that is not provided or is unclear will be assessed as not fulfilled (0 points). **The tenderer acknowledges that incomplete information, missing enclosures or untruthful information/documents may automatically lead to exclusion from the subsequent procurement process.**

Criteria		Points	Max. points
No.	Criterion		11,000
<b>Z1</b>	<p><b>Price</b></p> <p>The price (cf. Enclosure 3.1) is evaluated according to the normalisation principle. The lowest valid offer is awarded the maximum possible points. Prices that are more than twice as high receive zero points. In between, the distribution of points is linear.</p> <p>The number of points is determined as follows:</p> $Points = M * \frac{P_{max} - P}{P_{max} - P_{min}}$ <p>M = Maximum points P = Price of the tender being evaluated P<sub>min</sub> = Lowest price offered among the received tenders P<sub>max</sub> = Price at which the price curve intersects the origin (P<sub>min</sub>*2)</p>		<b>4,000</b>
<b>Z2</b>	<p><b>Project management experience with spaceborne InSAR projects</b></p> <p>The tenderer (in the case of consortia or general contractor: entity providing project management and project manager) has experience in management and implementation of spaceborne InSAR projects in which the following criteria have been met:</p> <ul style="list-style-type: none"> <li>- Contiguous area ≥ 10,000 km<sup>2</sup></li> <li>- Altitude difference within project area ≥ 1,500 m</li> <li>- Use and processing of Sentinel-1 data</li> </ul> <p><b>Proof:</b></p> <ul style="list-style-type: none"> <li>- For each reference project, one completed and legally signed Enclosure 1.2.</li> </ul>		<b>2,000</b>
	>2 relevant and meaningful references, which individually each meet at least 2 of the 3 criteria and collectively meet all criteria at least once.	<input type="checkbox"/> *	2,000

	2 relevant and meaningful references, which individually each meet at least 2 of the 3 criteria and collectively meet all criteria at least once.	<input type="checkbox"/> *	1,600	
	1 relevant and meaningful reference, which meets all criteria once.	<input type="checkbox"/> *	1,200	
	1 relevant and meaningful reference, which meets at least 2 of the 3 criteria.	<input type="checkbox"/> *	500	
<b>Z3</b>	<b>Implementation Concept</b> Based on the concept provided in Enclosure 1.0 (E9), the proposed methodology is evaluated. The evaluation assesses the following items: <ul style="list-style-type: none"> <li>- Workflow diagram including description of the processing chain with details about software/algorithms/strategies</li> <li>- Description and utilization strategy of data/additional data used for product generation (e.g., GNSS data, high-resolution DTM)</li> <li>- Description of permanent scatterer and distributed scatterer methodologies used</li> <li>- Planned combination of measurements from ascending and descending orbits</li> <li>- Schedule/time management (cf. Enclosure 1.0, E12)</li> </ul> <b>Proof:</b> <ul style="list-style-type: none"> <li>- Description by means of the concept from Enclosure 1.0 (E9/E10)</li> </ul>			<b>2,000</b>
	All listed items for the implementation concept are described, no reservations, open questions or ambiguities.	<input type="checkbox"/> *	2,000	
	For each item described where there are no reservations, open questions or ambiguities, one-fifth of the maximum score is awarded.	<input type="checkbox"/> *	400–1,600	
	Reservations, open questions or ambiguities on all listed items or no proof was submitted.	<input type="checkbox"/> *	0	
<b>Z4</b>	<b>Quality management</b> Based on the concept provided in Enclosure 1.0 (E9/E10), the planned quality management is assessed. The assessment is based on the following items: <ul style="list-style-type: none"> <li>- Description of appropriate internal quality assurance and control measures and associated post-processing procedures that can be employed to reduce potential errors</li> <li>- Description of the planned automation of the above mentioned quality assurance and control measures</li> <li>- Description of appropriate quality control parameters with respect to vertical surface movements</li> </ul> <b>Proof:</b> <ul style="list-style-type: none"> <li>- Description by means of the concept from Enclosure 1.0 (E9/E10)</li> </ul>			<b>1,000</b>

	All listed items for the quality management are described, no reservations, open questions, or ambiguities.	<input type="checkbox"/> *	1,000	
	For each item described where there are no reservations, open questions or ambiguities, one-third of the maximum score is awarded.	<input type="checkbox"/> *	333-667	
	Reservations, open questions or ambiguities on all listed items or no proof was submitted.	<input type="checkbox"/> *	0	
<b>Z5</b>	<b>Optional elements</b> The bidder offers an option regarding more frequent data processing and deliveries, temporally close to the most recent data acquisition (e.g. every 6 or 18 days) and describes its implementation in a concept (maximum time delay allowed: 14 weekdays between last recording and delivery). Scoring is non-cumulative but refers to the shortest interval achieved.  <b>Proof:</b> <ul style="list-style-type: none"> <li>- An offer for shorter product/delivery intervals is to be documented, legally signed and enclosed with the offer (max. 3 A4 pages, font size Arial 11).</li> </ul>			<b>1,000</b>
	<b>Option interval <math>\leq 14</math> days</b> was submitted and described in a concept. No reservations, open questions or ambiguities.	<input type="checkbox"/> *	1,000	
	<b>Option interval <math>\leq 20</math> days</b> was submitted and described in a concept. No reservations, open questions or ambiguities.	<input type="checkbox"/> *	500	
	<b>Option interval <math>\leq 26</math> days</b> was submitted and described in a concept. No reservations, open questions or ambiguities.	<input type="checkbox"/> *	250	
<b>Z6</b>	<b>Expertise and experience of specialist personnel</b> The bidder has specialist personnel with sufficient expertise and experience in the processing of InSAR data and who have worked on other InSAR surface motion projects which were started in the period from 01.01.2014 to 28.02.2021. Data deliveries have already been made and accepted by the customer (end customer). The purview of the listed specialist personnel within the scope of this project must be specified by the bidder or must be evident from the curricula vitae. The assessment is done for all professionals based on the following items: <ul style="list-style-type: none"> <li>- Project management experience</li> <li>- Project relevant expertise</li> <li>- Project relevant work experience</li> </ul> <b>Proof:</b> <ul style="list-style-type: none"> <li>- The curricula vitae submitted under Enclosure 1.0 (E7/E8)</li> </ul>			<b>750</b>
	All listed items described for all specialists. No reservations, open questions or ambiguities.	<input type="checkbox"/> *	750	

	For each item described where there are no reservations, open questions or ambiguities, one-fifteenth of the maximum score is awarded.	<input type="checkbox"/> *	50-700	
	Reservations, open questions or ambiguities for all listed items or no proof was submitted.	<input type="checkbox"/> *	0	
<b>Z7</b>	<b>Bidder constellation</b> Based on the Customer's experience, it is important for a seamless execution that the contract is performed by a sole trader, if possible, or otherwise a contractor constellation that has already conducted comparable projects together.  <b>Proof:</b> <ul style="list-style-type: none"> <li>- Self-declaration in corresponding column</li> <li>- Description of a reference project from the period since 01.01.2014 under Enclosure 1.2, clearly showing the bidder constellation and the respective activities and responsibilities (if applicable, it can be referred to an already mentioned reference).</li> </ul>			<b>250</b>
	The tenderer conducts the project alone or the bidder constellation has already realised at least one comparable SAR project together or is in the process of implementation.	<input type="checkbox"/> *	250	
	The bidder constellation has not yet realised a comparable SAR project together.	<input type="checkbox"/> *	0	

\* Please mark with a cross where applicable.

**Evaluation of award criterion Z1 – price**

The total price will be evaluated in accordance with the price list in Enclosure 3.1. The listed price shall be considered as the maximum price in CHF excluding VAT and including all expenses for the delivery of data, as stipulated in the functional specifications in Enclosure 0.0.

**Evaluation of award criteria Z2–Z7**

Evaluation will be based on the evidence requested and submitted as well as after contacting the references provided as verification.

Place and date:

First name(s) and last name(s):

Function

Signature(s):

.....  
*Bidder's legally valid signature(s)*